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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/679,722	10/06/2003	Duane D. Miller	20609/203 (PD 00034)	2869	
7590 04/06/2006			EXAMINER		
Nixon Peabody LLP			AULAKH, CHARANJIT		
Clinton Square P.O. Box 31051			ART UNIT	PAPER NUMBER	
Rochester, NY 14603-1051			1625		
			DATE MAILED: 04/06/2000	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicat	tion No.	Applicant(s)			
		10/679,	722	MILLER ET AL.	MILLER ET AL.		
	Office Action Summary	Examine	er	Art Unit			
		Charanji	t S. Aulakh	1625			
Period fo	The MAILING DATE of this communication Reply	ion appears on th	ne cover sheet w	ith the correspondence a	ddress		
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR CHEVER IS LONGER, FROM THE MAIL nsions of time may be available under the provisions of 37 SIX (6) MONTHS from the mailing date of this communical operiod for reply is specified above, the maximum statutor are to reply within the set or extended period for reply will, the reply received by the Office later than three months after the patent term adjustment. See 37 CFR 1.704(b).	ING DATE OF T CFR 1.136(a). In no e ation. y period will apply and by statute, cause the ap	THIS COMMUNIO event, however, may a r will expire SIX (6) MON oplication to become AB	CATION. reply be timely filed ITHS from the mailing date of this of the company o	,		
Status							
	Responsive to communication(s) filed on This action is FINAL . 2b) Since this application is in condition for a closed in accordance with the practice up	☑ This action is allowance excep	- non-final. ot for formal matt	·	e merits is		
Disposit	ion of Claims						
5) □ 6) ⊠ 7) □ 8) □ Applicat i 9) □ 10) □	Claim(s) 1-44 is/are pending in the appli 4a) Of the above claim(s) is/are w Claim(s) is/are allowed. Claim(s) 1-44 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction on Papers The specification is objected to by the Ex The drawing(s) filed on is/are: a)[Applicant may not request that any objection Replacement drawing sheet(s) including the	and/or election caminer. accepted or b to the drawing(s) correction is requi	requirement.)□ objected to libe held in abeyanger	ice. See 37 CFR 1.85(a). (s) is objected to. See 37 Cl			
11)[The oath or declaration is objected to by	the Examiner. N	ote the attached	d Office Action or form P1	ГО-152.		
Priority u	ınder 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Attachment	• •						
2) D Notice 3) D Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-9 nation Disclosure Statement(s) (PTO-1449 or PTO/ · No(s)/Mail Date		Paper No(s	ummary (PTO-413))/Mail Date formal Patent Application (PTC 	D-152)		

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DETAILED ACTION

1. According to paper filed on March 27, 2006, the applicants have filed a RCE and furthermore, have amended claim 1.

2. Claims 1-44 are pending in the application.

Response to Arguments

3. Applicant's arguments filed on March 27, 2006 have been fully considered but they are not persuasive regarding enablement and indefiniteness rejections. In regard to enablement rejection, the examiner does not agree with the applicants arguments that the specification on pages 16-18 teaches various disease conditions where alpha-2a and alpha-2c receptors have been implicated. As stated clearly in the last office actions, the instant compounds are antagonists at these receptor subtypes based on the data in the instant specification. However, there is no teaching in the specification on pages 17-19 whether antagonists of alpha-2a or alpha-2c receptors are well known in the prior art to have therapeutic utility in treating hypertension, hypotension, erectile dysfunction, pain, glaucoma, alcohol and drug withdrawl, rheumatoid arthritis, ischemia, migraine, cognitive deficiency, spasticity, diarrhea, nasal congection and Raynaud's disease. There are no working examples present in the instant specification showing efficacy of instant compounds in known animal models of hypertension, hypotension. erectile dysfunction, pain, glaucoma, alcohol and drug withdrawl, rheumatoid arthritis, ischemia, migraine, cognitive deficiency, spasticity, diarrhea, nasal congection and Raynaud's disease. The applicants have not provided any prior art references showing well known utility of structurally closely related compounds in treating hypertension,

hypotension, erectile dysfunction, pain, glaucoma, alcohol and drug withdrawl, rheumatoid arthritis, ischemia, migraine, cognitive deficiency, spasticity, diarrhea, nasal congection and Raynaud's disease. Also, there is no teaching or guidance in the specification how to assess central versus peripheral effects of instant compounds following their in vivo administration specially when used for treating high or low blood pressure since stimulation of central versus peripheral alpha-2a receptors have opposite effects on the blood prerssure.

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In regard to indefiniteness rejections, the examiner does not agree with the applicants arguments that claims are definite since applicants have amended claim 1 to recite specific diseases. It is not clear from the claim language whether specific listed disease conditions are solely mediated by agonist or antagonist activity at alpha-2a or alpha-2c receptors. It is well known in the art that there are multiple mechanisms involved in the etiology of any disease condition including instant disease conditions. There is no disease condition known in the art which is specifically mediated by agonist or antagonist activity at only one receptor subtype such as alpha-2a or alpha-2c. In regard to instant claims 24-44, the applicants argue that receptor will be inhibited both in vitro and in vivo. However, in order for the compound to inhibit specific receptor in vivo. the compound needs to be administered. However, there is no mention of administering the instant compounds for in vivo inhibition. Also, what is the end result of this inhibition?

Conclusion

4. Rejections under 35 U.S.C. 112, first paragraph and second paragraph are maintained for the reasons of record.

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5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charanjit S. Aulakh whose telephone number is (571)272-0678. The examiner can normally be reached on Monday through Friday, 8:30 A.M. to 5:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cecilia Tsang can be reached on (571)272-0562. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Charanjit S. Aulakh
Primary Examiner
Art Unit 1625